

IN THE CLAIMS

Complete listing of the claims:

1-18. (Canceled)

19. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate, and having a smaller area than said substrate to cover one or more of said plurality of pixels on said substrate; and

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship;

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship.

20. (Original) A manufacturing method of a color emissive device according to claim 19, wherein

said substrate is slid in two directions of said substrate perpendicular to each other by a pitch corresponding to an arrangement of said pixels for a same color.

21. (Original) A manufacturing method of a color emissive device according to claim 19, wherein

said substrate is slid in one direction of said substrate by a pitch corresponding to an arrangement of said pixels for a same color.

22. (Original) A manufacturing method of a color emissive device according to claim 19, wherein

said emissive material source is a linearly extending source elongated in a direction perpendicular to a direction of the relative movement between said mask and said emissive material source, and said substrate.

23. (Original) A manufacturing method of a color emissive device according to claim 22, wherein

said linearly extending source is formed by a plurality of emissive material sources arranged adjacent to each other.

24. (Original) A manufacturing method of a color emissive device according to claim 19, wherein

a semiconductor material is used for said mask.

25-29. (Canceled)

30. (Previously Presented) A manufacturing method of a color emissive device according to claim 19, further comprising forming said material scattered from said layer source on said substrate through said opening of said mask into a layer having a pattern according to a shape of said opening.

31-33. (Canceled)

34. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate, and having a smaller area than said substrate to cover one or more of said plurality of pixels on said substrate; and

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of at least said substrate and said mask are set to a first positional relationship;

sliding a relative position of at least said mask and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of at least said substrate and said mask from said first positional relationship to a second positional relationship;

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of at least said substrate and said mask are set to said second positional relationship.

35-43. (Cancelled)

44. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship.

45. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said substrate is slid in two directions of said substrate perpendicular to each other by a pitch corresponding to an arrangement of said pixels for a same color.

46. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said substrate is slid in one direction of said substrate by a pitch corresponding to an arrangement of said pixels for a same color.

47. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said emissive material source is a linearly extending source elongated in a direction perpendicular to a direction of the relative movement between said mask and said emissive material source, and said substrate.

48. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said linearly extending source is formed by a plurality of emissive material sources arranged adjacent to each other.

49. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said self-emissive element is an electroluminescent element.

50. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

said emissive device is a display device for displaying an image with a plurality of pixels.

51. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, wherein

a semiconductor material is used for said mask.

52-53. (Cancelled)

54. (Previously Presented) A manufacturing method of a color emissive device according to claim 44, further comprising forming said material scattered from said layer source on said substrate through said opening of said mask into a layer having a pattern according to a shape of said opening.

55. (Cancelled)

56. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of at least said substrate and said mask are set to a first positional relationship;

sliding a relative position of at least said mask and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of at least said substrate and said mask from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of at least said substrate and said mask are set to said second positional relationship.

57. (Cancelled)

58. (Cancelled)

59. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship, and wherein said emissive layer of said

emissive material is formed in at least two pixels which are at different positions on the substrate and which are associated with a same color using the mask.

60. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate, and having a smaller area than said substrate to cover one or more of said plurality of pixels on said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship, and wherein said emissive layer of said emissive material is formed in at least two pixels which are at different positions on the substrate and which are associated with a same color using the mask.

61-63. (Cancelled)

64. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship and wherein said mask is placed on a mask support and a region of said glass substrate not covered by said mask is covered by said mask support.

65. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate, and having a smaller area than said substrate to cover one or more of said plurality of pixels on said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to

change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship and wherein said mask is placed on a mask support and a region of said glass substrate not covered by said mask is covered by said mask support.

66. (Cancelled)

67. (Previously Presented) A method of forming an individually patterned layer in a plurality of regions of a substrate, comprising the steps of:

disposing between said substrate and a layer material source a mask including an opening corresponding to one or more of the plurality of regions where said layer is formed; and

causing relative movement between said mask and said layer material source, and said substrate, and causing a material scattered from said layer material source to attach to said substrate through said opening, thereby forming said individually patterned layer and wherein said substrate and a set of said mask and said material source are moved relative to each other.

68. (Cancelled)

69. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship and wherein said substrate and a set of said mask and said material source are moved relative to each other.

70. (Previously Presented) A manufacturing method of a color emissive device including, on a substrate, a self-emissive element having a first electrode, an emissive material layer for each color, and a second electrode, for each of a plurality of pixels, said method comprising the steps of:

disposing between said substrate and an emissive material source a mask including an opening at a position corresponding to a region for forming the emissive material layer of one or more of said plurality of pixels of said substrate, and having a smaller area than said substrate to cover one or more of said plurality of pixels on said substrate;

causing an emissive material from said emissive material source to attach to a first region of said substrate through said mask, while relative positions of said substrate, said mask, and said layer material source are set to a first positional relationship;

sliding a relative position between said mask, said emissive material source, and said substrate by a predetermined pitch corresponding to a size of the pixel of said substrate to change relative positions of said substrate, said mask, and said layer material source from said first positional relationship to a second positional relationship; and

causing said emissive material to attach to a second region of said substrate through said opening, while relative positions of said substrate, said mask, and said layer material source are set to said second positional relationship and wherein said substrate and a set of said mask and said material source are moved relative to each other.

71. (Cancelled)